



MI-CW2310

Michigan Crop Weather

June 7, 2010

Wet Weather

Four days were suitable for fieldwork during the week ending June 6, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.75 inches in the west central Lower Peninsula to 3.11 inches in the east central Lower Peninsula. Average temperatures ranged from 1 degree above normal in the western Upper Peninsula to 5 degrees above normal in the southeastern Lower Peninsula. Rain put a halt to fieldwork last week, but the recent rains improved most crops. “Most of the rain was beneficial for all crops except the most recently planted dry beans. First rains were welcomed, but now it is getting a little excessive,” stated one reporter in the east central region. Producers fell behind on spraying. Northwestern Michigan was still on the dry side last week, with the rains missing parts of the region.

Field Crops

Last week’s rainy weather hindered field activities but aided emergence and development of crops. **Wheat** development continued. Wheat was in Feekes growing stage 10. Reports of powdery mildew, *Septoria*, and leaf rust continued. The presence of Fusarium head blight (scab) caused growers some concern, especially with increased wet weather. **Oats** and **barley** were progressing well. Fungicides and herbicides were applied to small grains. **Alfalfa** harvest continued as conditions permitted. It was difficult to find a window to make dry hay. Some fields were past prime maturity. In Central Michigan, alfalfa weevils were feeding. Growers are expecting a good second cutting due to moisture levels. **Sugarbeet** development continued. The crop benefitted from last week’s rains and was considered advanced for this time of year. Nitrogen was applied. **Corn** was in growth stages ranging from V4 to V5. Due to quick growth, plants were spindly and were easily knocked down in the southwest. Some fields showed signs of nitrogen deficiency or nitrogen burn. Seed corn planting was progressing. There was an increased presence of black cutworm larvae on fields that had small grain cover crops in the southwest. **Soybean** planting continued as weather permitted. Fields were in growth stages ranging from V1 to V4. Fields that drowned out have been or will be replanted. **Drybean** planting continued as conditions permit. Planted fields have emerged or were emerging rapidly.

Fruit

Growing degree days have increased to about two weeks ahead of normal in the southwest, west central, and Grand Rapids area; the southeast was about a week ahead of normal. **Apples** ranged from fruit size 14 to 17 mm in the northwest to 18 to 25 mm diameter in the southeast and southwest. Plum curculio numbers were increasing, and new scars were found. Some blocks in the southeast have a light crop while others need to be thinned. **Peaches** ranged from fruit size 12 to 20 mm in the southeast to an inch diameter in the southwest. European **plums** were at 15 mm in the northwest, and fruit was 18 to 20 mm diameter in the southeast and southwest. **Strawberries** were still in bloom in the northwest. Early harvest has begun in the southwest and southeast where the crop was 9 to 11 days ahead of normal. **Sweet cherries** were at fruit size 12 to 14 mm diameter in the northwest; fruit size was 16 to 20 mm diameter in the southwest and southeast. **Tart cherries** ranged from fruit size 11 mm in the northwest to fruit beginning to yellow in the southeast. **Pears** were at 16 mm in diameter the northwest and an inch diameter in the southwest. **Blueberries** were at fruit size 8 to 11 mm in size in the southeast, with small green fruit in the southwest and Grand Rapids area. **Grapes** had 12 to 16 inch shoots in the northwest and southeast; and bloom was beginning in the southwest. Many shoots have no flower clusters. Summer **raspberries** were past full bloom.

Vegetables

Vegetables were progressing well and most growers responded positively to recent rains. **Asparagus** harvest was winding down. In Oceana County, there was some speculation that harvest could end sooner than normal if there was no substantial rain and cooler temperatures received in the coming weeks. Asparagus beetles were still present in many areas of the State. **Peas** were nearing harvest in the southwest. **Tomatoes, peppers, eggplant** and other **vine crops** planting, transplanting and staking continued in open fields and under plastic. Tomatoes ranged in development from vegetative to fruit, depending on the medium used to produce the crop. **Sweet corn** continued to progress and improved greatly with recent rains and warmer temperatures. **Pumpkin** and **fall squash** planting was underway. **Yellow squash** and **zucchini** planting continued. Plantings under tunnels were in bloom. Some acres could begin harvest next week in the southwest. In the southeast, low tunnels were removed from squash, zucchini and **cucumbers**. The crops were healthy. Stands of **winter squash** for processing looked good. **Cabbage** transplants were growing well and some fields could be cut this week in the southeast. Minor damage was reported from cabbage maggot. **Potatoes** were growing well in the Grand Rapids area. **Celery** was progressing well with low numbers of aster leafhoppers. **Onions, carrots, beets, turnips**, and **radishes** were progressing on muck soils. Young onion plants, however, showed damage from sunscald. The second application of herbicide applications on carrots occurred last week in Oceana County. **Cole season** crops showed damage from imported cabbage worm. **Melons** under tunnels were beginning to flower.

Soil moisture for week ending 06/06/10

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	2	3	46	49
Subsoil	1	6	61	32

Crop condition for week ending 06/06/10

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	2	8	21	53	16
Barley	0	26	40	29	5
Corn	1	5	25	53	16
Oats	1	5	26	56	12
Pasture	2	5	28	50	15
Winter Wheat	1	3	14	57	25

Crop progress for week ending 06/06/10

Crop	This week	Last week	Last year	5-year average
	Percent	Percent	Percent	Percent
All hay, first cutting	47	32	33	37
Asparagus, harvested	86	69	60	69
Barley, emerged	97	94	96	92
Corn, emerged	93	80	79	89
Dry beans, planted	38	23	31	26
Oats, emerged	100	100	89	97
Oats, headed	28	5	1	15
Potatoes, planted	95	93	98	95
Potatoes, emerged	80	68	77	67
Soybeans, planted	87	73	77	89
Soybeans, emerged	68	45	49	68
Strawberries, harvested	14	6	4	7
Winter wheat, headed	92	65	53	72

Michigan Weather Summary for Week Ending 06/06/10 ¹												
Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2010	2009	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	81	42		520	338		0.93	1.17	1.76	3.84		
Marquette	84	39		492	259		0.93	1.17	1.76	3.84		
Stephenson	84	41		596	390		1.29	1.42	1.64	3.60		
Western UP	84	37	1	522	306	365	1.08	1.31	1.79	3.91	6.20	3.61
Cornell	80	43		545	332		1.19	2.09	2.43	3.96		
Sault St Marie	79	44		533	245		1.32	1.43	1.65	3.58		
Eastern UP	82	37	3	498	258	260	1.24	1.55	1.71	3.69	5.96	3.26
Beulah	81	45		610	409		0.84	0.86	1.63	7.16		
Lake City	83	45		593	411		2.37	2.39	3.46	8.49		
Old Mission	84	46		588	357		0.93	0.93	1.59	6.12		
Pellston	82	38		599	342		1.58	1.58	1.92	4.34		
Northwest	84	38	2	577	362	432	1.22	1.23	1.86	6.19	5.80	3.03
Alpena	85	44		570	380		1.26	1.26	2.17	6.09		
Houghton Lake	82	46		632	407		2.85	2.85	3.78	6.86		
Rogers City	78	44		533	384		0.98	0.98	1.59	5.53		
Northeast	85	44	3	603	394	406	2.09	2.10	2.88	6.43	5.76	2.90
Fremont	82	47		692	474		0.92	0.92	2.45	5.58		
Hart	83	44		634	430		0.60	0.60	1.54	4.84		
Muskegon	81	50		708	489		0.80	0.80	2.56	5.76		
West Central	83	41	3	663	466	492	0.75	0.75	2.11	5.49	6.45	2.94
Alma	81	54		715	475		2.83	2.83	5.49	10.31		
Big Rapids	88	49		654	488		1.82	1.82	4.55	8.97		
Central	88	49	4	682	478	533	2.18	2.18	4.48	8.32	6.49	3.36
Bad Axe	85	52		657	433		4.81	4.81	6.37	8.94		
Pigeon	82	49		660	422		2.35	2.35	4.19	6.99		
Saginaw	83	57		742	480		2.18	2.18	4.15	7.28		
Standish	80	50		638	441		4.32	4.32	6.26	9.88		
East Central	85	49	3	645	443	512	3.11	3.12	5.06	8.56	5.75	3.08
Fennville	80	49		704	519		4.72	4.73	7.85	11.01		
Grand Rapids	82	52		792	573		2.43	2.52	5.38	10.22		
Holland	84	53		807	575		4.39	5.99	10.08	14.49		
South Bend, IN	82	51		799	639		1.92	1.92	5.30	9.92		
Watervliet	82	51		760	571		2.46	2.54	5.15	9.04		
Southwest	88	46	3	762	580	573	2.44	2.65	5.30	9.17	7.01	3.55
Belding	80	45		695	487		2.88	2.88	5.01	9.29		
Coldwater	81	56		795	610		3.06	3.06	6.10	10.47		
Lansing	81	53		767	523		2.55	2.55	5.17	9.40		
South Central	83	45	5	740	548	574	2.67	2.72	5.39	9.69	6.75	3.57
Detroit	86	60		827	617		3.55	3.55	6.19	10.37		
Flint	83	54		758	532		1.43	1.43	3.54	8.89		
Romeo	82	52		695	524		1.63	1.97	3.58	9.42		
Tipton	85	56		756	588		2.41	2.41	7.01	12.00		
Toledo, OH	85	62		852	641		2.32	3.54	5.48	12.06		
Southeast	89	49	5	763	585	547	2.05	2.16	5.38	10.31	6.68	3.36

¹ Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

² Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.